



IF IT'S BORDEN-IT'S
GOT TO BE GOOD

MATERIAL SAFETY DATA SHEET

Emergency Telephone
(614) 431-6600

Borden, Inc.
Packaging and Industrial Products Division
180 EAST BROAD STREET, COLUMBUS, OHIO 43215

MAR 28 1994

THE OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200 REQUIRES THAT THE INFORMATION CONTAINED ON THESE SHEETS BE MADE AVAILABLE TO YOUR WORKERS. INSTRUCT YOUR WORKERS TO HANDLE THIS PRODUCT PROPERLY.

ATTN: SAFETY DIRECTOR

NON-EMERGENCY TELEPHONE
800-848-9400 (MSDS, ORDERS)
614-431-6680 (TECH. INFO)

DESCRIPTION: KRAZY GLUE REGULAR
PRODUCT TYPE: CYANOACRYLATE ADHESIVE
APPLICATION: KG583, KG585, KG824, KG847, KG852, KG872.

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SIGNAL WORD
CAUTION!

This material is a "health hazard" and/or a "physical hazard" as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 "Hazard Communication" Standard.

CHEMICAL HAZARD RATING
HEALTH=2(moderate)
FIRE=2(moderate)
REACTIVITY=1(slight)

29CFR1910.1200 HAZARDOUS INGREDIENTS/REPORTED HEALTH EFFECTS
CAS/REGISTRY NO. MATERIAL DESCRIPTION

The ingredients listed below have been associated with one or more of the listed immediate and/or delayed(*) health hazards. Risk of damage and effects depends upon duration and level of exposure. BEFORE USING OR HANDLING, READ AND UNDERSTAND THE MSDS.

7085-85-0 ETHYL 2-CYANOACRYLATE
-- See Footnote C.
ACGIH TLV: NONE ESTABLISHED
OSHA PEL: NONE ESTABLISHED

Footnote C: As of the date of issuance of this document, this material has not been listed by NTP, IARC or OSHA as a carcinogen.

PHYSICAL DATA
PERCENT VOLATILES NOT DETERMINED
PH @ 25 C NOT AVAILABLE
SPECIFIC GRAVITY 1.05
APPEARANCE COLORLESS LIQUID
AUTOIGNITION TEMPERATURE NOT AVAILABLE
BOILING POINT 65 deg C

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PHYSICAL DATA

VAPOR DENSITY (AIR=1) > 1
VAPOR PRESSURE, MM HG @ 20 C 0.17
EVAPORATION RATE (BUTYL ACETATE=1) < 1
UP/LOW FLAMMABLE LIMITS NOT AVAILABLE
UP/LOW EXPLOSIVE LIMITS, % BY VOL. NOT AVAILABLE
FLASH POINT 83 deg C (CC)
FREEZING POINT NOT AVAILABLE
ODOR IRRITATING
ODOR THRESHOLD, PPM NOT AVAILABLE
SOLUBILITY IN WATER NEGLIGIBLE
COEFFICIENT OF WATER/OIL DISTRIB. NOT APPLICABLE

IMMEDIATE HEALTH HAZARD DATA

SKIN ABSORPTION: Not toxic dermally when tested as described in 16 CFR Part 1500.3 (c) (1) and (2).
INGESTION: Not toxic orally when tested as described in 16 CFR Part 1500.3 (c) (1) and (2).
INHALATION: Not expected to be harmful under normal conditions of use. However, if allowed to become airborne, may cause irritation of nose, throat and lungs. Not toxic by inhalation when tested as described in 16 CFR Part 1500.3 (c) (1) and (2).
SKIN: May cause irritation on prolonged or repeated contact. Not a primary irritant (primary skin irritation index less than 5.0/8.0) when tested as described in 16 CFR Part 1500.41.
Bonds skin instantly.
EYES: Causes irritation. Irritating when tested as described in 16 CFR Part 1500.42. Bonds eyelids instantly.

HANDLING PRECAUTIONS

INHALATION: Avoid prolonged or repeated breathing of vapor.
SKIN: Avoid prolonged or repeated contact with skin.
EYES: Avoid contact with eyes.
Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing.
Wash thoroughly after handling.

EMERGENCY AND FIRST AID PROCEDURES

INGESTION: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

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EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air.
SKIN CONTACT: If skin bonding occurs, peel, do not pull apart; soak in nail polish remover containing acetone if necessary.
EYE CONTACT: If eye contact occurs, flush with water only for 15 minutes and GET MEDICAL ATTENTION. Do not use any solvents to flush the eye and its surroundings.

FIRE AND EXPLOSION HAZARD DATA

COMBUSTIBLE.
Keep away from heat and flame.
In case of fire, use water spray, dry chemical, foam or CO2. Use water to keep fire-exposed containers cool.

REACTIVITY DATA

Normally stable, but may become unstable at high temperatures or may react with water.
Hazardous polymerization:
Will not occur.
Incompatibilities:
Water, alcohols, amines, bases and direct UV.
Other Hazards:
None known to Borden.
Decomposition products may include:
Oxides of carbon.

CONTROL MEASURES

If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.
ENGINEERING CONTROLS: The following exposure control techniques may be used to effectively minimize employee exposure: local exhaust ventilation, enclosed system design, process isolation and remote control in combination with appropriate use of personal protective equipment and prudent work practices. These techniques may not necessarily address all issues pertaining to your operations. We, therefore, recommend that you consult with experts of your choice to determine whether or not your programs are adequate.

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PERSONAL PROTECTION INFORMATION

Use goggles if contact is likely.
Wear impervious gloves as required to prevent skin contact.

SPILL OR LEAK PROCEDURES

Eliminate all ignition sources.
Soak up with absorbent material and remove to a chemical disposal area.
Prevent entry into natural bodies of water.

WASTE DISPOSAL

Recover free liquid. Absorb residue and dispose of according to local, state/provincial, and federal requirements.
Empty container: May contain explosive vapors. DO NOT cut, puncture or weld on or nearby.

STORAGE PRECAUTIONS

Keep away from amines.
Store in cool, dry area away from sun and heat.
Keep containers tightly closed.
Exposure to small amounts of moisture, even moisture in air, causes polymerization and renders the product unusable.
Keep away from heat, sparks, flame and other ignition sources.

DOT CLASSIFICATION

Not Regulated.

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SARA TITLE III SECTION 313
AND 40 CFR Part 372
TOXIC CHEMICAL NOTIFICATION SHEET

KRAZY GLUE REGULAR

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.

CAS Registry Number	Chemical Name	Pct. By Weight
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None required per SARA TITLE III SECTION 313

This Toxic Chemical Notification Sheet must not be detached from the Material Safety Data Sheet (MSDS). Any copying and redistribution of the MSDS shall include copying and redistribution of this notification sheet attached to copies of the MSDS subsequently redistributed.

060 KG0583

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DISCLAIMER

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY BORDEN, except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States patent. The information provided herein was believed by Borden to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of product and to determine the suitability of the product for its intended use. Buyer's exclusive remedy shall be for damages and no claim of any kind, whether as to product delivered or for non-delivery of product, and whether based on contract, breach of warranty, negligence or otherwise shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.